AB 617 - SOUTH LOS ANGELES (SLA) COMMUNITY STEERING COMMITTEE MEETING

VIRTUAL MEETING

OCTOBER 7, 2021

Language Justice Announcement

Created by: catalina.nieto.interpretation@gmail.com With the advice, expertise and support of many people in the Language Justice Community
CERP AND CAMP TIMELINE

August 5, 2021
- CSC Mtg.
- Finalized AQ Priorities

September 2, 2021
- CSC Mtg.
- CERP & CAMP Development Overview

September 14, 2021
- Subcommittee Mtg.
- Mobile Sources

September 30, 2021
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- Oil and Gas

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- Emissions Inventory
- General Industrial

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- Draft Actions & Targets for AQ Priorities for CERP
- Draft CAMP

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- Draft of complete CERP & appendices
- Draft of complete CAMP & appendices

January 21, 2022
- Stationary Source Committee Mtg.

February 4, 2022
- Governing Board Meeting
- South Coast AQMD Board considers CERP for adoption

* Tentative topic schedule

SUBCOMMITTEE MEETINGS RECAP

CSC MEETING SUMMARIES MAY BE FOUND HERE
Air Pollutants Emissions Inventory

Assembly Bill (AB) 617
Community Air Initiatives
Source Attribution

What is source attribution?

• The emissions inventory for an area
• Evaluates sources, their emissions and their contribution to cumulative exposure burden

Why are we doing this?

• Provide information to the community for informed decision making
• Meet AB 617 statutory requirement*

*Health and Safety Code §44391.2 (b)(2)

Acronyms & Abbreviations

• CAP – Criteria Air Pollutant
• CO – Carbon Monoxide
• NOx – Oxides of Nitrogen
• NH3 – Ammonia
• PM2.5 – Particulate Matter 2.5
• Pb – Lead
• ROG – Reactive Organic Gases
• SCAG – Southern California Association of Governments
• SOx – Sulfur Oxides
• TAC – Toxic Air Contaminant
• TOG – Total Organic Gases
• TSP – Total Suspended Particles
• VOC – Volatile Organic Compounds

Acronyms and Abbreviations Sheet:
http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/south-la/acronyms.pdf?sfvrsn=8
Air Pollutants Included in the Emissions Inventory

Criteria Air Pollutants (CAP)
- VOC, NOx, SOx, NH3, PM2.5 and Pb

Toxic Air Contaminants (TAC)
- 24 reported

Emission Source Categories

Point
- Emissions from Annual Emissions Reporting (AER) Program
- Toxic Air Contaminants emissions reported under AB 2588

Area
- Emissions developed jointly by South Coast AQMD and CARB
- Toxic emissions calculated based on CARB evaluation

On-road Mobile
- Emissions developed using SCAG’s travel demand activity and CARB’s data

Off-road Mobile
- Emissions are calculated based on category-specific methods
Selected List of Air Toxic Contaminants and Their Associated Cancer Risk Factor

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Cancer unit risk 1/(ug/m^3)</th>
<th>Relative factor To DPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>6.77E-05</td>
<td>0.09</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>8.80E-05</td>
<td>0.12</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>1.42E-05</td>
<td>0.02</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>1.42E-05</td>
<td>0.02</td>
</tr>
<tr>
<td>1,3-Butadiene</td>
<td>4.06E-04</td>
<td>0.55</td>
</tr>
<tr>
<td>PAHs(Polycyclic aromatic hydrocarbon)</td>
<td>2.64E-03</td>
<td>3.55</td>
</tr>
<tr>
<td>Asbestos</td>
<td>1.90E-04</td>
<td>0.26</td>
</tr>
<tr>
<td>Cadmium</td>
<td>1.01E-02</td>
<td>13.58</td>
</tr>
<tr>
<td>Hexavalent chromium</td>
<td>3.45E-01</td>
<td>463.71</td>
</tr>
<tr>
<td>Nickel</td>
<td>6.16E-04</td>
<td>0.83</td>
</tr>
<tr>
<td>Arsenic</td>
<td>8.12E-03</td>
<td>10.91</td>
</tr>
<tr>
<td>Lead</td>
<td>2.84E-05</td>
<td>0.04</td>
</tr>
<tr>
<td>Diesel Particulate Matter (DPM)</td>
<td>7.44E-04</td>
<td>1.00</td>
</tr>
</tbody>
</table>
Emissions Inventory Milestone Years

2020-Designated Communities

Baseline: 2019

Future milestone: 2026

Future milestone: 2031

South Los Angeles Community Boundary
Criteria Air Pollutants emissions decreasing in South Los Angeles Community

<table>
<thead>
<tr>
<th>Year</th>
<th>Emissions (tons/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>25</td>
</tr>
<tr>
<td>2026</td>
<td>20</td>
</tr>
<tr>
<td>2031</td>
<td>15</td>
</tr>
</tbody>
</table>

- ROG
- NOX
- PM2.5

Toxic Air Contaminants decreasing in South Los Angeles

<table>
<thead>
<tr>
<th>Year</th>
<th>Emissions (lbs/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>320</td>
</tr>
<tr>
<td>2026</td>
<td>250</td>
</tr>
<tr>
<td>2031</td>
<td>200</td>
</tr>
</tbody>
</table>

- Diesel PM
- 1,3 Butadiene
- Benzene
- Formaldehyde
- Others
Top 10 Sources of TACs in the South Los Angeles

1. Off-Road Equipment
2. Heavy Duty Trucks
3. Light and Medium Duty Vehicles
4. Off-Road Equipment (PERP)
5. Trains
6. Buses
7. Chemical
8. Service and Commercial
9. Laundering
10. Residential Fuel Combustion

Top 5 Diesel PM Sources in South Los Angeles

1. Off-Road Equipment
2. Heavy Duty Vehicles
3. Off-Road Equipment (PERP)
4. Trains
5. Buses
Categories included in Off-Road Equipment in SLA

Construction and Mining Equipment
Transport Refrigeration Units
Lawn and Garden Equipment
Industrial Equipment
Commercial Equipment
Off-Road Equipment (PERP)

Summary

• The prevalent TACs in the community are Diesel PM, 1,3 butadiene and benzene
• Off-road equipment, heavy duty trucks and PERP equipment are the largest source of DPM emissions
• Emissions of major TACs are expected to decrease in future years
• Diesel PM decreases substantially in future years, but it remains the largest contributor to total toxic emissions in the future
  – Off-road equipment is projected to remain the largest emitter of TACs in 2026 and beyond
Questions
GENERAL INDUSTRIAL

Manufacturing  Chemical  Utility

Gas Stations  Dry Cleaners

IN YOUR COMMUNITY

General Industrial South LA Facilities with Active Permits

- Automotive Repair: 89
- Chemical: 25
- Dry Cleaners: 42
- Gas Stations: 121
- Manufacturing: 81
- Metals: 69
- Other Industrial: 72
- Utility: 12
CHEMICAL OPERATIONS

Operations to store, process, transfer, or produce chemicals:

- Paints and Solvents
- Petroleum Products
- Plastics

Examples of Equipment:

- Storage Tanks
- Heaters/Burners
- Blending Tanks

DRY CLEANERS

- Dry cleaners are permitted to use hydrocarbon-based solvents in their machines
- Must follow usage limits

Examples of Equipment:

- Boilers
- Dry Cleaning Machine
GAS STATIONS

- Gas stations are permitted for their fuel storage and dispensing equipment

Examples of Equipment:
- Storage Tanks
- Hoses
- Nozzles
- In-Station Diagnostics

MANUFACTURING OPERATIONS

Operations to produce a specific type of product:
- Consumer Products
- Food and Beverages
- Paper Products
- Textiles Products
- Wood Products

Examples of Equipment
- Storage/Blending Tanks
- Paint Spray Booths
- Heaters/Ovens
UTILITY OPERATIONS

Operations supporting public utilities:
- Power Plants
- Water Departments
- Waste Management
- Wastewater Treatment

Examples of Equipment:
- Diesel Emergency Generators
- Fuel Dispensing
- Power Plant Turbine

OTHER INDUSTRIAL

Other types of operations:
- Construction
- Construction Support Services
- City Support Services

Examples of Equipment:
- Soil Vapor Extraction units
- Fuel Dispensing
- Portable Equipment (PERP)
FACILITY INSPECTIONS

▪ Process walkthrough
▪ Review of permitted/unpermitted equipment
▪ Production review
▪ Document review
▪ Sampling
▪ General observations
▪ Enforcement action as necessary

PUBLIC COMPLAINTS

▪ **1-800-CUT-SMOG (1-800-288-7664) or online** [www.aqmd.gov](http://www.aqmd.gov)
▪ Live attendant during business hours (Monday-Friday) or to our standby system off-hours
▪ Types of complaints: odors, dust, smoke, and other types
▪ Complainant information = confidential
▪ Complaints can be made anonymously
▪ **INSPECTORS FOLLOW-UP ON ALL COMPLAINTS**
COMPLAINT INVESTIGATIONS

- Discussion with the complainant to obtain additional information
- Surveillance of the alleged source
- If source is unknown, investigate any potential sources
- If a source is confirmed, conduct an on-site inspection
- Enforcement action as necessary (Notice to Comply and/or Notice of Violation)
- Follow-up with complainant on results of investigation

OPEN DISCUSSION

Comments, Questions, Concerns?
GETTING TO THE ACTIONS: WHERE DO WE GO FROM HERE?

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